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Dinh et al.

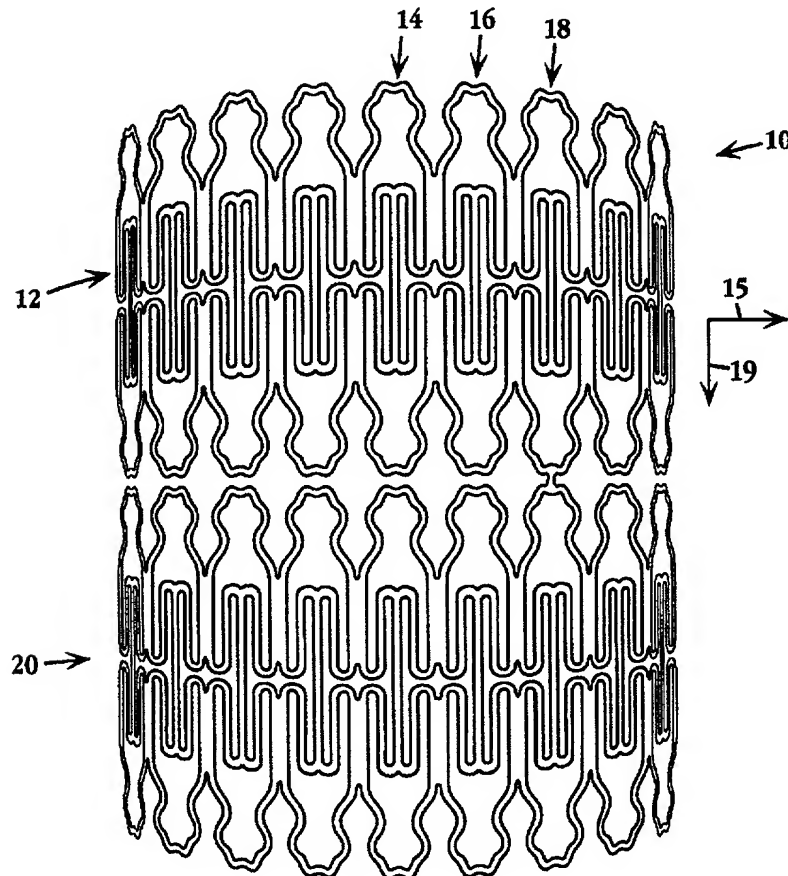
[11] **Patent Number:** **6,019,789**[45] **Date of Patent:** **Feb. 1, 2000**[54] **EXPANDABLE UNIT CELL AND  
INTRALUMINAL STENT**[75] **Inventors:** **Linh A. Dinh**, Santa Clara; **Loc X. Phan**, San Jose; **Robert Eury**, Cupertino; **Irina Pomerantseva**, Michael Froix, both of Mountain View, all of Calif.[73] **Assignee:** **Quanam Medical Corporation**, Santa Clara, Calif.[21] **Appl. No.:** **09/053,887**[22] **Filed:** **Apr. 1, 1998**[51] **Int. Cl.<sup>7</sup>** ..... **A61F 2/06**[52] **U.S. Cl.** ..... **623/1**[58] **Field of Search** ..... **623/1, 11, 12**[56] **References Cited****U.S. PATENT DOCUMENTS**

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**Primary Examiner**—Michael J. Milano**Attorney, Agent, or Firm**—Judy M. Mohr; Peter J. Dehlinger; Dehlinger & Associates[57] **ABSTRACT**

A unit cell for use in a medical device, such as a stent, is disclosed along with a description of a stent formed from a plurality of unit cells and for use in the treatment of restenosis or other vascular narrowing. The unit cell is designed and configured for uniform radial expansion with minimal axial shortening and recoil, and is selectively variable in flexibility and expendability.

**15 Claims, 14 Drawing Sheets**

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